

What is claimed is:

1. A system for automatically updating the revision level of programmable devices comprising:
- 5 a master programmable device having pulse receiving logic and a memory space operatively disposed therein; and
- at least one slave programmable device having pulse generating logic operatively disposed therein, said slave programmable device coupled to said master programmable device through an interface and configured to
- 10 send revision information to said master programmable device.
2. The system of claim 1, wherein said memory space further includes a revision register containing one or more memory locations, each said memory location corresponding to a slave programmable device.
3. The system of claim 1, wherein said revision information comprises
- 15 a pulse stream corresponding to the revision level of a slave programmable device.
4. A system for collecting programmable device revision information comprising:
- means for sending, by said system, a reset signal to a master programmable device and at least one slave programmable device thereby placing

all programmable devices in a known good condition;

means for sending, by said at least one slave programmable device,
revision information to said master programmable device;

means for receiving, by said master programmable device, said
5 revision information; and

means for storing, by said master programmable device, said
revision information.

5. The system of claim 4, wherein said means for storing comprises a
revision register containing one or more memory locations, each said memory
10 location corresponding to a slave programmable device.

6. The system of claim 4, wherein said revision information comprises
a pulse stream corresponding to the revision level of a slave programmable device.

7. A method for updating programmable device revision information in
a system having a master programmable device and at least one slave
15 programmable device, comprising:

resetting all devices in said system;

sending revision information from said at least one slave
programmable device to said master programmable device; and

storing said revision information on said master programmable

device.

BEST AVAILABLE COPY

14